

What is claimed is:

1. (amended) A prosthetic device for implanting into a bone, comprising:
a body having an outer surface, [including] having a first section which contacts the bone upon implantation, said first section containing a textured surface having a series of projections;
and a coating, covering at least said first section, containing living bone cells,
wherein when said device is implanted into bone, said living bone cells contact said bone to promote bone ingrowth between said device and said bone.
2. (original) The device of claim 1, wherein said body is composed of titanium.
3. (original) The device of claim 1, wherein said outer surface of said body is porous.
4. (original) The device of claim 1, wherein said body is composed of a ceramic material.
5. (original) The device of claim 1, wherein said body is composed of a hydroxyapatite-covered metal.
6. (cancelled)
7. (original) The device of claim 6, wherein said textured surface comprises an array of beads.
8. (amended) The device of claim 6, wherein said textured surface comprises an array of [fibrillar] fibrillar wires.
9. (original) The device of claim 1, wherein said bone cells contain osteoblasts.